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Remarks:

THE COMPLETE DOCUMENT INCLUDING
REFERENCE TABLES AND THE SEQUENCE
LISTING IS AVAILABLE ON CD-ROM FROM THE
EUROPEAN PATENT OFFICE, VIENNA
SUB-OFFICE.

(54) **Expressed sequence tags and encoded human proteins**

(57) The sequences of 5' ESTs derived from mRNAs encoding secreted proteins are disclosed. The 5' ESTs may be used to obtain cDNAs and genomic DNAs corresponding to the 5' ESTs. The 5' ESTs may also be used

in diagnostic, forensic, gene therapy, and chromosome mapping procedures. Upstream regulatory sequences may also be obtained using the 5' ESTs. The 5' ESTs may also be used to design expression vectors and secretion vectors.

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06-SEP-2000.
21-FEB-2000; 4059EP-9309610.
26-FEB-1999; 99US-0122487.
(GEST) GENSET.
Dumas Milne Edwards J, Duclert A, Giordano J:
WPI: 2000-500381/45.
N-PSDB: AAC00310.
New nucleic acid that is a 5' expressed sequence tag (5' EST) for
obtaining cDNAs and genomic DNAs that correspond to 5' ESTs and for
diagnostic, forensic, gene therapy and chromosome mapping procedures -
diagnostic, forensic, gene therapy and chromosome mapping procedures -
Claim 13; SEQ ID 4385; 71pp + CD-POM: English.
The present sequence is a polypeptide encoded by one of a large number
of 5' ESTs derived from mRNAs encoding secreted proteins. The 5' ESTs
were prepared from total human RNAs or polyA+ RNAs derived from 30
different tissues. EST sequences usually correspond mainly to the 3'
untranslated region (UTR) of the mRNA because they are often obtained
from oligo-dT primed cDNA libraries. Such ESTs are not well suited for
isolating cDNA sequences derived from the 5' ends of mRNAs and even in
those cases where longer cDNA sequences have been obtained, the full 5'
UTR is rarely included. 5' ESTs are derived from mRNAs with intact 5'
ends and can therefore be used to obtain full length cDNAs and genomic
DNAs. 5' ESTs are also used in diagnostic, forensic, gene therapy and
chromosome mapping procedures. They are used to obtain upstream
regulatory sequences and to design expression and secretion vectors.
SQ Sequence 83 AA;
Query Match 20.9%; Score 456; DB 21; Length 83;
Best Local Similarity 98.8%; Pred. No. 3.5e-35;
Matches 82; Conservative 0; Mismatches 1; Indels 0; Gaps 0)
QY 1 MARVLGAPVALGSLWLSLALATPLPTSAHGNVAEGTKPDQVTERCSGWSFDATT 60
DB 1 MARVLGAPVALGSLWLSLALATPLPTSAHGNVAEGTKPDQVTERCSGWSFDATT 60
QY 61 LDNCTMLFFKGFYVWVSKHNDP 83
DB 61 LDNCTMLFFKGFYVWVSKHNDP 83
RESULT 3
ABP31577
ID ABP31577 standard; Protein; 87 AA.
XX AC ABP31577;
XX DT 09-JUL-2002 (first entry)
XX Human glycoprotein-like ORF550 protein, SEQ ID NO:1100.
XX Human; ORF: open reading frame; ORF: drug screened; diagnosis;
XX disease monitoring; cytokine; cell proliferation; cell differentiation;
XX immune modulation; haematopoiesis regulation; tissue growth;
XX angiogenesis; activin; inhibin; chemotactic; chemokine; haemostatic;
XX thrombolytic; tumour inhibition; bodily characteristics; fertility;
XX behaviour; cancer; proliferative disorder; neurological disorder;
XX cardiovascular disease; immune system disorder; organ transplantation;
XX tissue growth disorder; tissue regeneration disorder; diabetes mellitus;
XX hypothyroidism; cholesterol ester storage disease; infection; vulvar;
XX vasotrophic; antipsychotic; antidiabetic; anticoagulant; thrombolytic;
XX neuroprotective; antithrombotic; antitumor; antineoplastic;
XX cardiant; hyofensive; antithyroid; antiinflammatory; immunomodulator;
XX dermatological; analgesic; virocid; antibacterial; fungicide.
XX Homo sapiens.
OS

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21-FEB-2000; 4059EP-9309610.
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OS